

AMENDMENTS TO THE CLAIMS

This listing of claims supersedes all prior versions and listings of claims in this application:

LISTING OF CLAIMS:

1-2. (Canceled).

3. (Currently Amended) A voice interception system for intercepting a voice signal included in an Asynchronous Transfer Mode (hereinafter referred to as "ATM") cell transferred in an ATM Adaptation Layer type 2 (hereinafter referred to as "AAL2") of an ATM network, comprising:

base station controllers;

a mobile switching station comprising:

a plurality of ATM cell assembler/de-assembler units which convert the ATM cell of the AAL2 received from the ATM network through a base station controller to an ATM cell of a modification of the ATM Adaptation Layer type 2 (hereinafter referred to as "AAL2pf"), and convert the ATM cell of the AAL2pf, received from another ATM cell assembler/de-assembler unit via an ATM switch, to the ATM cell of the AAL2 to send to said base station controller, wherein the ATM cell of the AAL2pf is a modified ATM cell of the AAL2, wherein

the ATM cell of the AAL2pf accommodates one piece of user data therein and does not have a start field;

a voice monitor which generates an ATM cell of an ATM Adaptation Layer type 1 for reproducing a voice signal (hereinafter referred to as "AAL1 (PCM)") based on the ATM cell of the AAL2pf from said plurality of ATM cell assembler/de-assembler units;

an ATM switch; and

a third party call apparatus which converts the ATM cell of the AAL1 (PCM) sent from said voice monitor through a Synchronous Transfer Mode (hereinafter referred to as "STM") network to the voice signal,

wherein said ATM switch sets a first path in which the ATM cell of the AAL2pf from one of said plurality of ATM cell assembler/de-assembler units is sent to another one of said plurality of the ATM cell assembler/de-assembler units, and sets a second path in which the ATM cell of the AAL2pf passing through the first path is drawn into said voice monitor, and sets a third path in which the ATM cell of the AAL1 (PCM) from said voice monitor is sent to said the third party call apparatus through said STM network; and

The voice interception system according to claim 2, further comprising:

a vocoder for carrying out a mutual conversion between the ATM cell of the AAL2pf and an ATM cell of an Adaptation Layer type 1 for the Tandem Free Operation (hereinafter referred to as "AAL1 (TFO)'),

wherein said voice monitor converts the ATM cell of the AAL2pf from said plurality of the ATM cell assembler/de-assembler units to the ATM cell of the AAL1 (PCM) in a non-Tandem Free Operation case,

and converts the ATM cell of the AAL1 (TFO) from said vocoder to the ATM cell of the AAL1 (PCM) in a Tandem Free Operation case.

4. (Previously Presented) The voice interception system according to claim 3, further comprising:

an ATM cell multiplexer/demultiplexer which receives the ATM cell of the AAL2pf from said voice monitor, and returns the ATM cell of the AAL2pf from said voice monitor back to said voice monitor, creating a fourth path in the voice interception system.

5. (Original) The voice interception system according to claim 4, further comprising:
a voice interception receiver which intercepts a voice,
wherein said ATM switch sets a fifth path in which the voice signal is sent from said third party call apparatus to said voice interception receiver.

6. (Original) The voice interception system according to claim 5, wherein all the other paths except the second path are fixedly set at an initially setting stage without intervention of a software control for a call process.

7. (Previously Presented) The voice interception system according to claim 6, wherein said STM network and said ATM network are connected to each other through the fixedly set paths, and the call process to intercept the voice is carried out based only on a path connection process of said ATM switch.